

Load balancing and failover

N Malpani, X Yao, CA Musta - US Patent App. 10/815,349, 2004 - Google Patents

... ease of reference, that represents the **percentage** of a ... **load balancing** value is computed by **dividing the total** ... generate a first value and **multiplying** the first ...

All 2 versions

[PDF] ► Parallel programming

B Wilkinson, M Allen, 1999 - sizzle.cs.kookmin.ac.kr

... to **divide** network into two equal parts. ... when E is given as a **percentage**. ... For example, adding two matrices has this effect, but **multiplying** matrices does not. ...

Cited by 149 - Related articles - View as HTML - All 12 versions

[PDF] ► A Load Balancing Algorithm Using Radio Signal Strength and Sensitivity for the Multipath ...

HT El-Kassabi, 2003 - Citeseer

... to-end delay, delay per packet and **total** number of ... less **data** transmission delay than larger satellites ... forcing the packet to travel through a **maximum** number of ...

Cited by 1 - Related articles - View as HTML - All 6 versions

Symbolic performance modeling of parallel systems

AJC van Gemund - IEEE Transactions on Parallel and Distributed Systems, 2003 - doi.ieeecomputersociety.org

... Mbigir. \$ server, load balanced system with **total** service demand \$bigir. ... The **maximum** error (50 **percent**) occurs for load-balanced systems (ie, \$bigir. ...

Cited by 37 - Related articles - BL Direct - All 9 versions

[PDF] ► Scalable and adaptive load balancing on IBM Power NP

R Russo, L Kend, B Metzler, P Droz - Research Report RZ-3431, IBM Zurich Research ..., 2002 - Citeseer

... with shorter access times (RAID systems), as the server's **maximum** ... and the list goes on for a **total** of \$4 ... a **great percentage** of server power is depleted for the ...

Cited by 8 - Related articles - View as HTML - All 5 versions

The vector-thread architecture- ► psu.edu [PDF]

R Krashinsky, C Batten, M Hampton, S Gerding ... - ACM SIGARCH Computer Architecture News, 2004 - portal.acm.org

... 1 supports fetch instructions, and cluster 3 sup- ports integer **multiply** and **divide**. ... changes with each re-configuration to reflect the **maximum** num- ber of ...

Cited by 77 - Related articles - BL Direct - All 43 versions

The WarpEngine: An architecture for the post-polygonal age- ► psu.edu [PDF]

V Popescu, J Eyles, A Lastra, J Steinhurst, N ... - Proceedings of the 27th annual conference on ... 2000 - portal.acm.org

... non-zero translation from reference position) one could save a **multiply** by **dividing** all w's ... of tiles per frame ranges from a few thousand to a **maximum** of a ...

Cited by 59 - Related articles - All 12 versions

A dynamic multithreading processor- ► psu.edu [PDF]

H Akkary, MA Driscoll - Proceedings of the 31st annual ACM/IEEE ..., 1998 - portal.acm.org

... are reported based on **total** execution time and as a **percentage** speedup over a 4 ... The latencies are 1 cycle for the ALU, 3 for **multiply**, 20 for **divide**, and 3 ...

Cited by 206 - Related articles - BL Direct - All 27 versions

[PDF] ► [Linux advanced routing & traffic control howto](#)

B Hubert ... - setembro de, 2002 - ds9a.nl

... The MTU size (**Maximum Transfer Unit**) is 3924 octets, and it is not supposed to ...
[espa043.austin.ibm.com \(9.3.76.43\)](#) from 9.3.76.41 : 56(84) **bytes of data**. ...

Cited by 113 - Related articles - View as HTML - All 264 versions

[PDF] ► [Scheduling parallel computations in a heterogeneous environment](#)

JB Weisman - University of Virginia, Charlottesville, VA, 1996 - Citeseer

... P T = **total number of processors selected** τ = application communication ... b = message
size in **bytes** ... ear chains [9][65], and when the **maximum** communication cost ...

Cited by 21 - Related articles - View as HTML - All 6 versions

[PDF] ► [High-throughput routing for multi-hop wireless networks](#)

DSJ De Couto, 2004 - Citeseer

... its complement, delivery ratio, is the **percentage** of transmitted ... **minimum- ETX route**
is the **maximum-throughput route** ... layer header specifies the **total length** of ...

Cited by 18 - Related articles - View as HTML - All 12 versions

[Load balanced scalable network gateway processor architecture](#)

D Pham, N Pham, T Le Nguyen - US Patent App. 09/976,229, 2001 - Google Patents

... **speed**, here defined as the **maximum bandwidth** of ... more compute intensive, typically
involving **data conversions** and ... opera- tions with a **total throughput** readily ...

Related articles - All 5 versions

[Scalable network gateway processor architecture](#)

D Pham, N Pham, T Le Nguyen - US Patent App. 09/976,322, 2001 - Google Patents

... **speed**, here defined as the **maximum bandwidth** of ... more compute intensive, typically
involving **data conversions** and ... opera- tions with a **total throughput** readily ...

All 4 versions

[External memory algorithms and data structures: Dealing with massive data-](#) ► [psu.edu](#) [PDF]

JS Vitter - ACM Computing Surveys (CSUR), 2001 - portal.acm.org

... rather than in units of **bytes**.) In this ... 7 Filtering § 11 Lazy Updating § 10.4 **Load**
Balancing § 4 Locality ... **data structures**, and we also investigate kinetic ...

Cited by 483 - Related articles - BL Direct - All 20 versions

[The DASH prototype: Logic overhead and performance-](#) ► [psu.edu](#) [PDF]

D Lenoski, J Laudon, T Joe, D Nakahira, L ... - IEEE Transactions on Parallel and Distributed Systems, 1993 -
[doi.ieeecomputersociety.org](#)

... **processors**, it is limited to a **maximum** configuration of ... **caches** instead of **clusters**),
the **percent** of **directory** ... up to 512 **clusters** (2048 **total processors**) while ...

Cited by 204 - Related articles - All 25 versions

[PDF] ► [REMOTE DATA BACKUP SYSTEM FOR DISASTER RECOVERY](#)

H Lin, 2004 - scholarspace.manoa.hawaii.edu

... **percent per year** in **subscriptions**. ... Though it may reduce the **maximum** server load,
it increases the probability of failure. ... where N is the number of **total disks**. ...

Related articles - All 2 versions

[PDF] ► [Investigation of the performance of 100mbit and gigabit ethernet components using raw](#)

...

R Hughes-Jones, F Saka, 2000 - Citeseer

... to **memory** using a series of **PCI bursts** with a **maximum length** of 380 **bytes**. ... **transfer**
times over PCI, and the green bars show the **total time** associated ...

Cited by 7 - Related articles - View as HTML - All 8 versions

[book] ... [loops for high performance computers: partitioning, data assignment, and remapping](#)

DE Hudak, SG Abraham, 1993 - books.google.com

... the sample tiles 120 4.4 The **percentage** difference between ... ie, the smallest number
of **bytes** which may ... of the loop partitioning and **data assignment** techniques ...

Cited by 20 - Related articles - BL Direct - All 3 versions

[The DASH prototype: Implementation and performance- ▶psu.edu \[PDF\]](#)

D Lenoski, J Laudon, T Joe, D Nakahira, L ... - Proceedings of the 19th annual international ..., 1992 - portal.acm.org

... **maximum** configuration of 16 clusters and 64 processors. ... 95 Page 5, Table 2. **Percent of core logic in a DASH cluster.** ... 0.0% 0.0% 0.0% 0.wo **Total** 456 1268 73 2286 ...

Cited by 214 - Related articles - BL Direct - All 21 versions

[\[PDF\] ▶ Dynamic load balancing issues in the EARTH runtime system](#)

KP Kakulavarapu, 1999 - CiteSeer

... **depth** study of their behavior with **divide-and-conquer** ... ensure **maximum** possible utilization of the CPU resources ... thereby the **total** program execution time is a far ...

Cited by 4 - Related articles - View as HTML - All 2 versions

[High-throughput routing for multi-hop wireless networks- ▶mit.edu \[PDF\]](#)

RT Morris, DSJ De Couto, 2004 - dspace.mit.edu

... its complement, delivery ratio, is the **percentage** of transmitted ... The physical layer header specifies the **total** length of the ... is doubled, up to the **maximum** value ...

Related articles - All 3 versions

[Filtering and route lookup in a switching device](#)

DC Ferguson, R Patel, G Cheung, PS Sindhu - US Patent 6,798,777, 2004 - Google Patents

... US 6,798,777 **BI RECEIVE DATA PACKET 1800 DIVIDE PACKET INTO** ... **buffer** must be sized to meet the **maximum** through- put ... pointer that points to a starting **byte** in the ...

Cited by 2 - Related articles - All 6 versions

[Methods and computer programs for generating data traffic matrices](#)

N McKee, P Phaal - US Patent App. 10/877,853, 2004 - Google Patents

... contains the unique node pair and **multiplying** that count ... collected can be derived by **dividing** the **total** ... traffic (or alternatively, a known **percentage** of data ...

All 2 versions

[\[PDF\] ▶ Global combine algorithms for 2-D meshes with wormhole routing](#)

M Barnett, R Littlefield, DG Payne, RA Geijn - Journal of Parallel and Distributed Computing, 1995 - CiteSeer

... as simple as distributed matrix-vector **multiply** and as ... that are naturally used by many recursive **divide-and-conquer** ... where k is the **maximum** number of messages ...

Cited by 35 - Related articles - View as HTML - BL Direct - All 6 versions

[Blue Matter, an application framework for molecular simulation on Blue Gene- ▶leift.org \[PDF\]](#)

BG Fitch, RS Germain, M Mendell, J Pitera, ... - Journal of Parallel and Distributed Computing, 2003 - Elsevier

... The target configuration contains a **maximum** of 65,536 compute ... mean square deviation (RMSD) of the **total** energy for ... with time step to a fraction of a **percent**. ...

Cited by 56 - Related articles - All 12 versions

[\[PDF\] ▶ Workload Characterization and Performance for a Network Processor](#)

M Miyazaki, 2002 - palms.ee.princeton.edu

... **queue**, which effectively controls the **percentage** of the ... 3) 1518 **Bytes** The **maximum-size** Ethernet packets ... Packet Size (**Bytes**) Proportion of **Total** Traffic Load ...

Cited by 2 - Related articles - View as HTML - All 2 versions

[Design methodology for a modular service-driven network processor architecture](#)

M Gabrani, G Dittmann, A Doering, A ... - Computer Networks, 2003 - Elsevier

... performance components allow them to accommodate fully a sizable **percentage** of traffic. ... assuming a minimum packet size of about 40 **bytes** and a **total** of 5 ...

Cited by 10 - Related articles - All 5 versions

[Design, Analysis, and Simulation of I/O Architectures for Hypercube Multiprocessors](#)

R AL NARASIMHA, P BANERIEE - IEEE TRANSACTIONS ON PARALLEL AND ..., 1990 - doi.ieeecomputersociety.org

... The table reports the **percentage** increase in the message ... h of the message rate r, the **total I/O** ... Asymptotically, the **maximum** value of the network throughput is ...

[Related articles](#) - [All 2 versions](#)

[BOOK] [BGP: Building reliable networks with the border gateway protocol](#)

I Van Beijnum, 2002 - [books.google.com](#)

... **header** (usually 5 32-bit words); the **Total Length** is ... of the entire IP packet, including the header, in **bytes**. ... This happens when the **maximum** packet size on a ...

[Cited by 27](#) - [Related articles](#) - [All 2 versions](#)

[Systems and methods for processing packets](#)

DC Ferguson, R Patel, G Cheung, PS Sindhu - US Patent App. 10/920.237, 2004 - [Google Patents](#)

... 0018682 **AI RECEIVE DATA PACKET 1800 V DIVIDE PACKET INTO** ... buffer must be sized to meet the **maximum** through- put ... a pointer that points to a starting **byte** in the ...

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[PDF] [► Polygon rendering for interactive visualization on multicomputers](#)

DA Ellsworth, 1996 - [Citeseer](#)

... Table 6.13: **Percentage** of additional time taken when using between ... 128 Table 7.4:

Maximum message size, in kilobytes ... 42 Figure 4.2: **Total** processing cost for **load** ...

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[PDF] [► Efficient search in peer-to-peer networks](#)

B Yang, H Garcia-Molina - Proceedings of the International Conference on ..., 2002 - [Citeseer](#)

... either the query is satisfied, or the **maximum** depth limit ... 50 KB – independent of the **total** size of the network ... **Percentage** of Query messages dropped (Appendix A ...

[Cited by 300](#) - [Related articles](#) - [View as HTML](#) - [All 24 versions](#)

[PDF] [► Evaluation of a Scalable Decoupled Microprocessor Design](#)

GS Tyson, 1988 - [Citeseer](#)

... 3.9.4 **Address/Data** Busers : : : : 31 ... 46 4.5.2 **Load Balancing** : : : : 46 ...

[Cited by 4](#) - [Related articles](#) - [View as HTML](#) - [All 6 versions](#)

[BOOK] [The impact of vector and parallel architectures on the Gaussian elimination algorithm](#)

Y Robert, 1990 - [books.google.com](#)

... progresses, the amount of work decreases, so that tuned **data** allocation strategies

will ... is still possible, but it amounts to **post-multiplying** the coefficient ...

[Cited by 52](#) - [Related articles](#) - [All 4 versions](#)

[PDF] [► TAM - A Compiler Controlled Threaded Abstract Machine](#)

DE Culler, SC Goldstein, KE Schauer, T ... - Journal of Parallel and Distributed Computing, 1993 - [Citeseer](#)

... This route proved more effective than supporting the ... and an inter-frame scheduling

data structure used ... hold the **maximum** number of concurrently enabled threads. ...

[Cited by 194](#) - [Related articles](#) - [View as HTML](#) - [BL Direct](#) - [All 15 versions](#)

[PDF] [► Measurement based comparison between VoIPoMPLS and VoIP using software routers](#)

IR Quadri, 2004 - [Citeseer](#)

... Figure 5.2: **Percentage** CPU Utilization across Ingress, Core and Egress routers for ...

consists of a header followed by a number of **bytes** of **data** called payload ...

[Related articles](#) - [View as HTML](#) - [All 5 versions](#)

["Topologies"—distributed objects on multicomputers](#)

K Schwan, W Bo - ACM Transactions on Computer Systems (TOCS), 1990 - [portal.acm.org](#)

... compu- tational tasks dynamically, typically using **divide** and conquer ... the reduced amounts of **data** to other nodes, thereby reducing **total** communication as ...

[Cited by 23](#) - [Related articles](#) - [All 4 versions](#)

[PDF] [► Parallel Application Software on High Performance Computers I. The IBM SP2 and Cray](#)

...
RJ Allan, MF Guest - Daresbury Laboratory, 1996 - [Citeseer](#)

... 89.8.2.2 **Data** Parallel and Virtual Shared Memory Environments ... Potential, VCouI; construction of the exchange-correlation potential, VXC; and the **total** time ...

Cited by 1 - Related articles - View as HTML - All 7 versions

[PDF] ► ... Analysis of a VBR Video Server with Self-Similar Gamma Distributed MPEG-4 **Data**
RV Ramirez-Velarde, 2004 - copernico.mty.itesm.mx
... at the same time storing the **maximum** amount of ... ie pixels), and the number of **bytes**
which are ... A profile of user identification and other **data**, preferred movie ...

Related articles - View as HTML

[PDF] ► Real-Time Compressed Video Transmission Across the Common **Data** Link
TQ Walker, 1995 - dtic.mil

... 2] **divide** applications into two general service types: elastic and ... the various
real-time and elastic **data** flows ... that the Parekh and Gallager **maximum** delay bound ...

All 4 versions

Parallel processing system having a synchronous SIMD processing with processing elements

...
PA Wilkinson, JW Dieffenderfer, PM Kogge, ... - US Patent 5,765,011, 1998 - Google Patents
... Corporation. Armonk. NY [21] Appl. No.: 233,210 [22] Filed: Apr. 26, 1994 Related
US Application **Data** [63] Continuation of Ser. No. 888,680 ...

Cited by 9 - Related articles - All 2 versions

GLOSS: text-source discovery over the Internet- ►psu.edu [PDF]
L Gravano, H Garcia-Molina, A Tomasic - ACM Transactions on Database Systems (TODS), 1999 -
portal.acm.org

... the subject areas covered by the different **data** sources are ... n/d i , where n is the
total number of ... normalized vector D is typically obtained by **dividing** each w ...

Cited by 279 - Related articles - All 36 versions

[PDF] ► Ray tracing on a stream processor

TJ Purcell, 2004 - Citeseer

... only a small fraction of the **total** light particles ... the construction of a photon map
data structure, which ... each of which is designed for **maximum** performance on ...

Cited by 75 - Related articles - View as HTML - All 5 versions

[PDF] ► Massive **Data**

JS VITTER - ACM Computing Surveys, 2001 - Citeseer

... rather than in units of **bytes**.) In this ... 7 Filtering § 11 Lazy Updating § 10.4 **Load**
Balancing § 4 Locality ... **data** structures, and we also investigate kinetic ...

Related articles - View as HTML - All 16 versions

[PDF] ► Dealing with Massive **Data**

JS Vitter - ACM Computing Surveys, 2001 - verona.dei.unipd.it

... of items rather than in units of **bytes**.) In this ... For **routing** considerations, one
desired property for the network is the capability to sort the M **data** items in ...

Cited by 4 - Related articles - View as HTML - All 10 versions

[book] CCIE: Cisco certified internetwork expert: study guide

R Payne, K Manweiler, J Swartz, 2003 - books.google.com

... is set using statistical analysis, which usually varies between 50 and 75 **percent**. ...
R&S Lab Examination The **Routing** and Switching lab exam is a full, one-day ...

All 3 versions

Large join optimization on a hypercube multiprocessor- ►scilib.kiev.ua [PDF]

ET Lin, ER Omiedinski, S Yalamanchili - IEEE Transactions on Knowledge and **Data** ..., 1994 -
doi.ieeecomputersociety.org

... a large join query by allocating the **maximum** number of ... w S w T can be estimated by
multiplying the cardinalities ... turn has an effect on the **total** execution time ...

Cited by 10 - Related articles - Bi. Direct - All 7 versions

[PDF] ► [The implementation of BLAS level 3 on the AP1000: Preliminary Report](#)
PE Strazdins, RP Brent - Proceedings of the Second Fujitsu-ANU CAP ... 1991 - Citeseer
... $m = M/N$ $y_k = K/N \times$... **Divide A into ... efficiently integrated into the parallel non-systolic multiply-add method ...** are given in Table 4. As the **maximum matrix size ...**
Cited by 2 - Related articles - View as HTML - All 10 versions

[PDF] ► [On the LU factorization of sequences of identically structured sparse matrices within a ...](#)
SM Hadfield, 1994 - Citeseer
... **6-3 Percentage of Communication Reduction ... assembly DAG dene the necessary data communication between frontal matrices ... sequence of a matrix multiply, two triangular ...**
Cited by 23 - Related articles - View as HTML - All 12 versions

[book] [Numerical linear algebra for high-performance computers](#)
JJ Dongarra, IS Duff, HA van der Vorst, DC ... 1998 - books.google.com
... **Message-Passing Standards 50 3.6.3 Routing 55 4 ... fetched and decoded, • addresses of the data operands to ... Stage 3 = Add exponents and multiply mantissas Stage ...**
Cited by 371 - Related articles - All 6 versions

[PDF] ► [A Characterization of Communication Patterns in Isis Distributed Applications](#)
MA Dietz, CS Ellis, 1995 - Citeseer
... **to be used in only 1 to 2 percent of all messages and ... persistence to the total number of messages, and we examine the histogram of ... multiplying by a drift factor ...**
Cited by 4 - Related articles - View as HTML - All 6 versions

[PDF] ► [Denial-Of-Service \(DOS\) Attacks and Commerce Infrastructure in Peer-to-Peer Networks](#)
N Daswani, 2004 - Citeseer
... **IAS for Various PAMs with 5 percent malicious nodes ... evaluation of techniques to divide up processing capacity to ... maximum number of nodes that we choose to ...**
Cited by 3 - Related articles - View as HTML - All 3 versions

[book] [Proceedings of the 1995 International Conference on Parallel Processing](#)
P Banerjee, CD Polychronopoulos, KA ... 1995 - books.google.com
... **table: Area Submitted Accepted Regular Concise Architecture Software Algorithms TOTAL 160 90 115 ... A. Heinrich and S. Taylor, "A Parabolic Load Balancing Method" ...**
Related articles

[Techniques for Communications and Geolocation using Wireless Ad Hoc Networks-](#)
► wpi.edu [PDF]
H Ahle Haghighi, 2004 - wpi.edu
... **speed, (d) overhead byte transmitted vs. ... error variance of 0.001131 Figure 7.8: Percentage of nodes ... They can further divide into proactive, reactive and hybrid ...**
View as HTML

[PDF] ► [Suitability of distributed mobile wireless networking for urban traffic congestion mitigation](#)
SN Humbad, 2001 - Citeseer
... **financial support available for a commitment of 25 percent of their ... For Boston, the estimated total congestion cost was about 1.65 ... Multiply that oversight by ...**
Cited by 2 - Related articles - View as HTML - All 4 versions

[PDF] ► [A Resource Monitor for Network-based Parallel Applications](#)
D Jin, 1999 - collections.canada.gc.ca
... **2.3.1 Percentage of CPU idle time and processor speed ... 4.8 A Break-down of Total Sorting Time men Tool ... architecture, data format, machine load, network load and ...**
Related articles - View as HTML - All 3 versions

[PDF] ► [COHRA: hardware-software cosynthesis of hierarchical heterogeneous distributed ...](#)
BP Dave, NK Jha - IEEE Transactions on Computer-Aided Design of ... 1998 - eref.uqu.edu.sa

... factor (EPUF) to indicate what **percentage** of package ... denote the minimum and **maximum** communication times in this ... against previous ones based on **total** dollar cost ...

Cited by 51 - Related articles - View as HTML - BL Direct - All 3 versions

[PDF] ► Emulation of TCP Performance Over WCDMA

O Teyeb, J Wigard, O Teyeb, J Wigard - FACE Deliverable, 2003 - cpk.auc.dk

... logical to assume that a considerable **percentage** of the ... the header is known as MTU (**Maximum** Transmission Unit ... the better, as that reduces the **total** overhead of ...

Related articles - View as HTML - All 2 versions

[BOOK] Introduction to Parallel Processing

M Sasikumar, PR Prakash, D Shikhare, 2004 - books.google.com

... can sometimes increase the **total** time required ... the effort involved in **dividing** the work ... pipelining, vectorisation, concurrency, **data** parallelism, partitioning ...

Cited by 2 - Related articles

[BOOK] The complete e-commerce book: design, build & maintain a successful Web-based business

J Reynolds, 2004 - books.google.com

... with the experience, while less than **7 percent** were dissatisfied ... are growing steadily along with the **total** number of ... tab-delimited text files so the **data** can be ...

Cited by 26 - Related articles - All 2 versions

[PDF] ► Introduction to Programming Languages

AA Aaby, 1996 - upf.edu

... 5. Pragmatics 6. Abstraction and Generalization 7. **Data** and **Data** Structuring 8. Logic Programming ... 1 Introduction 1.1 **Data** 1.2 Models of Computation ...

Cited by 6 - Related articles - View as HTML - All 2 versions

[BOOK] The Complete Guide to Networking and Network+

M Graves, 2003 - books.google.com

... PLETE GUIDE TO NETWORKING AND NETWORK+ Exterior **Routing** Protocols 199 Chapter Summary 200 ... LAYER 205 Addressing in the Transport Layer 206 Packaging **Data** in the ...

Cited by 1 - Related articles - All 3 versions

[PDF] ► Performance availability for networks of workstations

RH Arpacı-Dusseau, 1999 - Citeseer

... 99 10.2.3 **Total** Work : ... 1 y all **Percent** of Peak Performance ... the number of components experiencing the performance fault is increased up to the **maximum** number of ...

Cited by 16 - Related articles - View as HTML - All 7 versions

[BOOK] Embedded cryptographic hardware: methodologies and architectures

N Nedjah, L de Macedo Mourelle, 2004 - books.google.com

... The **maximum** length of the original message before the ... 4) for the i -th message block 1) Divide the i -th ... for register update, and therefore the **total** number of ...

Cited by 2 - Related articles - All 3 versions

[PDF] ► Monitor placement for network attack attribution using information theory metrics

RY Liverpool, 2004 - archives.ece.lastate.edu

... Table 3. Number of Analogs (m) and **Maximum** Number of ... Table 7. **Percentage** of Times over all the Networks that ... Options fields and the first eight **bytes** of the ...

Cited by 1 - Related articles - View as HTML - All 2 versions

[PDF] ► Extensible interest management for scalable persistent distributed virtual environments

HA Abrams, 1999 - Citeseer

... 13. ABSTRACT (**maximum** 200 words) Eventually there will exist virtual environments inhabited by millions, but as virtual ... D. **DATA** AND **ANALYSIS** ... **Total** Entity Count ...

Cited by 22 - Related articles - View as HTML - All 7 versions

Design and Analysis of Parallel Hierarchical Battlefield Simulation

CP Masshardt, 1995 - Storming Media

... of the simulation, and the total number ... simulation, printed circuit board routing, and digital ... construct multiple instruction, multiple data (MIMD) programs ...

Related articles - All 2 versions

Final Report for the 10 to 100 Gigabit/Second Networking Laboratory Directed Research ...

EL Witzke, LG Pierson, TD Tarmen, LB DEAN, ..., 2001 - osti.gov

... I find that it provides a **maximum** payload of **512 bytes** (instead of **64 bytes** in ServerNet ...
Therefore, no software is involved in data transfers, unless an error ...

Cited by 2 - Related articles - View as HTML - All 3 versions

[PS] ► Software Approaches to Memory Latency Reduction for Scalable Shared-Memory ...

H Li, 1995 - whits.toronto.edu

... 41 4.2 Speedups for Matrix **Multiply** on Hector ... 4 stations, each containing 4 processor modules, for a **total** of 16 ... size in the **data** subcache is **64 bytes**, and the ...

Related articles - View as HTML - All 11 versions

[PDF] ► Rendering and visualization in parallel environments

D Bartz, C Silva, B Schneider - ACM SIGGRAPH Course, 2000 - Citeseer

... the I/O and communicate via a **data** agent with the ... mesh of four crossbars) of an aggregated **total** peak bandwidth ... such as CPU boards (C-brick), **routing** boards (R ...

Cited by 14 - Related articles - View as HTML - All 8 versions

3.3 Survivability in Wireless Mobile Networks

T Dahlberg, D Tipper, B Cao, C Charnsripinyo - Reliability, survivability and quality of large scale ..., 2002 - books.google.com

... layers have been shown to provide **maximum** benefit ... The INS supports service **data** management functions to ... termination probability indicate the **percentage** of these ...

Related articles

[PDF] ► Survivability Extensions for Dynamic Ultralog Environments

M Brittan, BCOSWAP WORKS, 2004 - dtic.mil

... of dealing with complex routings in **multiply** connected networks ... get inter-agent traffic in units of **Bytes/Sec**, but ... without having to perform a **total** rewrite of ...

Related articles - View as HTML - All 4 versions

[BOOK] Pipelined processor farms: structured design for embedded parallel systems

M Fleury, AC Downton, 2001 - books.google.com

... 216 11.2.3 Characteristic **maximum** 217 11.2.4 ... Wavelet Transform FDDI Fibre Distributed **Data** Interface FFT ... Light-Weight Process **MAC Multiply** Accumulate Operation ...

Cited by 5 - Related articles - All 2 versions

An Efficient Sort-Last Polygon Rendering Scheme on 2-D Mesh Parallel Computers

TY Lee, CS Raghavendra, JB Nicholas - Proceedings of the 1995 International Conference on ..., 1995 - books.google.com

... the binary swap techniques, and our own **divide-and- conquer** ... In **total**, our algorithm takes $r + c - 2$ steps to form a ... and the **data** for each triangle is **48 bytes**. ...

Cited by 3 - Related articles - BL Direct

[PDF] ► Goal-oriented memory allocation in database management systems

KP Brown, 1995 - Citeseer

... increase in **total** memory consumption, while admitting additional transactions ... in the extreme case of a **maximum** response time ... the same **percentage**, for example). ...

Cited by 20 - Related articles - View as HTML - BL Direct - All 4 versions

[PDF] ► Toward Scalable Cache Only Memory Architectures

E Hagersten, 1993 - Citeseer

... You should also try to **divide** the work evenly ... of course, but would not have yielded **maximum** performance ... The proposed architecture, the **Data** Division Machine, was ...

Cited by 64 - Related articles - View as HTML - All 5 versions

[book] Computer telephony encyclopedia

R Grigoris, 2000 - books.google.com

... in the next two years by **56 percent** (Source: Schema). ... Bit (LSB) from every 8-bit **byte over-written** to ... **pressure** have all combined to limit **maximum** targets for ...

Cited by 4 - Related articles - All 2 versions

[PDF] ► Designing graphics architectures around scalability and communication

M Eldridge, 2001 - Citeseer

... unique texture memory is the **total** amount of ... include scientific visualization of **large data sets**, ... parallel stages, **routing**, which connects image parallel stages ...

Cited by 9 - Related articles - View as HTML - All 6 versions

► A data structure and query algorithm for a database of areal entities

DJ Abel, JL Smith - Australian Computer Journal, 1984 - acs.org.au

... at least 17 times (nearly half of the **maximum** number of ... our method provides up to **88 percent** saving in ... must periodically be merged, to keep the **total** number of ...

Cited by 27 - Related articles - View as HTML - All 2 versions

[citation] Beowulf cluster computing with Linux

W Gropp, E Lusk, TL Sterling, 2003 - The MIT Press

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[book] Parallel I/O for high performance computing

JM May, 2001 - books.google.com

... program is performing only floating-point **multiply-add** (FMA ... may operate at only a **few percent** of peak ... available in 2000 that advertised a **maximum** transfer rate ...

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... in a combination of voice and **data** communications technologies ... 93 4.2.3 Packet **Routing** and **Routing** Protocols 97 ... the complaint, or that the **maximum** waiting time ...

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U Prestor - Master's thesis, Dept. of Computer Science, University ..., 2001 - Citeseer

... and trigonometric functions: integer and floating-point add, **multiply** and **divide**, complex arithmetic ... it makes no attempt to subtract it from the **total** time. ...

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E Leiserson, BC Kuszmaul - Massachusetts Institute of Technology, Department of ..., 1994 - eprints.kfupm.edu.sa

... 5-10 The **total** work of each of 25 chess ... insult to injury, after doing the vector **multiply**, the **data** ... in 1979, included a control network and a **data** network that ...

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... and tails that result: only with whether that **total** number is ... for the waiting room and the **maximum** number of ... We **divide** the methods used into three main areas ...

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T Chiuah - Proceedings of the 1993 International Conference on ..., 1993 - books.google.com

... In some instances, the **percentage** of consistency-related to ... C translator) and MM (a sparse matrix vector **multiply**). ... The **total** first level miss ratio on a semi ...

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... The goal is to keep the **total bandwidth** being used below ... The **multiplying factor** is determined by the degree of ... at the sender is to equally **divide** the allocated ...

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BP Dave - US Patent 6,230,303, 2001 - freepatentsonline.com

... **factor** (EPUF) to indicate what **percentage** of package ... **transition rate** is determined by **multiplying** its clock ... architecture is estimated by **dividing** the total ...

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PV Mundur, 2000 - cs.umbc.edu

... **guaranteed services** along the **routing path** of the requests is ... **maximum** and minimum **end-to-end delay** in any ... **jitter** indicates that the **multimedia data** will arrive ...

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JC Hoe, 1994 - dspace.mit.edu

... **6.5 Processor Scalability: Multiplying 256-by-256 Square Matrices** ... network based on the Arctic (A Routing Chip ... Under this protocol, when a **data packet** arrives ...

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KH Randall, CE Leiserson - Massachusetts Institute of Technology, 1998 - historical.ncstrl.org

... **6 The work overhead** $c1$ is only a few percent larger than 1 ... algorithm shown in Figure 4-1. To **multiply** one $n \setminus \Theta$ n matrix by another, we **divide** each matrix ...

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... **For The Uncompressed Scalar Multiply Operator 75 ... 95 5.10 Interleaver Buering Frame Drop Percentage** vs ... reliable, congestion-controlled, **byte-stream** communication ...

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[Real-Time Embedded High Performance Computing: Application Benchmarks](#)

RA Games, JD Ramsdell, CP Brown, MI ..., 1995 - Storming Media

... can perform a single precision **multiply** and addition in ... that can be processed with **maximum efficiency** is ... constraints are paramount, the **percent** of utilization ...

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B Lowekamp, 2000 - CiteSeer

... **1.1 Time**, in seconds, for a 16000 **byte** broadcast on ... reducing the congestion so a **higher percentage** of packets ... rather low, but with bursts of **maximum utilization** ...

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C Victor, E Hagersten - Swedish Institute of Computer Science, 1992 - eprints.kfupm.edu.sa

... You should also try to **divide** the work evenly ... of course, but would not have yielded **maximum performance** ... The proposed architecture, the **Data Division Machine**, was ...

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S Lailukka, 2003 - vtt.fi

... **Data-** com, telecom and broadcast traffic is conventionally transported over separated networks, which is a major cost factor in network management for operators ...

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JV Guitag, 1999 - CiteSeer

... Plot of the break-even time, T_B , as a function of the **percent** increase in ... running Linux with a 33 Mhz, 32 bit wide PCI bus, the **maximum** continuous data ... **bytes** ...

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... 1($\text{npP} \backslash \text{Gamma } 1$) yielding a **total** communication of ... be computing between 93 and 97 **percent** as much ... minimal information necessary for reducing **data** movement for ...

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... Primitive **data** types in Java. Their size/format, minimum, and **maximum** val-ues accessible via Type . MIN_VALUE and Type. MAX-VALUE, where Type can be **Byte**, ...

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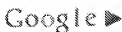
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